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1 Handoff trigger table for integrated 3G/WLAN networks

 Wenjie Quan, Xinhua Ling, Xuemin (Sherman) Shen, Dongmei Zhao

July 2006 **IWCNC '06**: Proceedings of the 2006 international conference and mobile computing

Publisher: ACM 

Full text available:  [Pdf](#) (138.97 KB)

Additional Information: [full citation](#), [abstract](#), [... references](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 90, Citation

Vertical handoff is a switching process between heterogeneous wireless network. Vertical handoffs from WLAN to 3G network often fail due to the signal strength in the transition areas. In this paper, ...

Keywords: 3G, WLAN, integrated 3G/WLAN networks, integrated network communications

2 A Scalable Architecture For High-Throughput Regular-Expression Pattern Matching

 Benjamin C. Brodie, David E. Taylor, Ron K. Cytron

June 2006 **ISCA '06**: Proceedings of the 33rd annual international symposium

Publisher: ACM

Full text available:  [Pdf](#) (350.11 KB)

Additional Information: [full citation](#), [abstract](#), [... references](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 141, Citation

We present and evaluate an architecture for highthroughput pattern matching. Our approach matches multiple patterns concurrently, responds rapidly and is well suited for synthesis in an ASIC or FPGA. ...

Also published in:

May 2006 **SIGARCH Computer Architecture News** Volume 34 Issue 2

3 Triggers over nested views of relational data

 Feng Shao, Antal Novak, Jayavel Shanmugasundaram

September 2006 **Transactions on Database Systems (TODS)**, Volume 31 Issue 3

Publisher: ACM 

Full text available:  [Pdf](#) (1.40 MB)

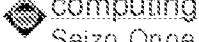
Additional Information: [full citation](#), [appendix](#), [... references](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 107, Citation

Current systems that publish relational data as nested (XML) views are can only respond to user-initiated queries over the nested views. In this system whereby users can place ...

Keywords: XML, nested views, relational databases, triggers

4 [Proceedings of the 2006 international conference on Wireless comm](#)



Seizo Onoe, Mohsen Guizani, Hsiao-Hwa Chen, Mamoru Sawahashi

July 2006 **IWCNC '06:** Proceedings of the 2006 international conference and mobile computing

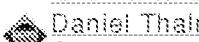
Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citations: 0

It is our great pleasure to welcome you to the *International Wireless Computing Conference (IWCNC 2006)*. This year's Conference continues the premier forum for presentation of research results and ...

5 [Crowd and group animation](#)



Daniel Thalmann, Christophe Hery, Seth Lippman, Hiromi Ono, Stephen Re

August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes

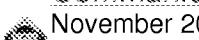
Publisher: ACM

Full text available: [Pdf \(20.19 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 59, Downloads (12 Months): 681, Citations: 1

A continuous challenge for special effects in movies is the production of rendering and behavior. This course will present state-of-the-art techniques that will explain in details the different ...

6 [Communications of the ACM: Volume 51 Issue 11](#)



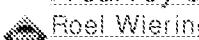
November 2008 Communications of the ACM

Publisher: ACM

Full text available: [Digital Edition](#), [Pdf \(8.26 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 327, Downloads (12 Months): 3195, Citations: 0

7 [A survey of structured and object-oriented software specification methods](#)



Roel Wieringa

December 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 4

Publisher: ACM

Full text available: [Pdf \(605.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 426, Citations: 1

This article surveys techniques used in structured and object-oriented software specification methods. The techniques are classified as techniques for the specification of external systems and decomposition. The external specification techniques ...

Keywords: languages

8 Communications of the ACM: Volume 52 Issue 8 August 2009 Communications of the ACM**Publisher:** ACMFull text available:  [Digital Edition](#) ,  [Pdf \(5.55 MB\)](#) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 4763, Downloads (12 Months): 4763, Citation Count: 10**9** Process-centered review of object oriented software development methods Raman Ramsin, Richard F. PaigeFebruary 2008 **Computing Surveys (CSUR)** , Volume 40 Issue 1**Publisher:** ACM Full text available:  [Pdf \(2.86 MB\)](#) Additional Information: [full citation](#), [abstract](#), [bib](#)**Bibliometrics:** Downloads (6 Weeks): 148, Downloads (12 Months): 2264, Citation Count: 1

We provide a detailed review of existing object-oriented software development methods on their development processes. The review aims at laying bare their common internal activities. This is done by using a ...

Keywords: Object-oriented methodologies, agile methods, integrated software engineering, seminal methodologies

10 An open-source CVE for programming education: a case study Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. ParksJuly 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses****Publisher:** ACM Full text available:  [Pdf \(7.92 MB\)](#) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 332, Citation Count: 1**11** Online reorganization of databases Gary H. Sockut, Balakrishna R. IyerJuly 2009 **Computing Surveys (CSUR)** , Volume 41 Issue 3**Publisher:** ACM Full text available:  [Pdf \(886.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [bib](#)**Bibliometrics:** Downloads (6 Weeks): 153, Downloads (12 Months): 153, Citation Count: 1

In practice, any database management system sometimes needs reorganization of some aspect of the logical and/or physical arrangement of a database. I types of reorganization have required denying access ...

Keywords: Clustering, concurrent reorganization, indexes, log-structured storage, online reorganization, redefinition, reorganization, restructuring, schema evolution, databases

12 Requirements interaction management William N. Robinson, Suzanne D. Pawlowski, Vecheslav VolkovJune 2003 **Computing Surveys (CSUR)** , Volume 35 Issue 2**Publisher:** ACM Full text available:  [Pdf \(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 66, Downloads (12 Months): 649, Citations: 10

Requirements interaction management (RIM) is the set of activities directed at the identification, analysis, management, and disposition of critical relationships among sets of requirements. RIM is a critical area of requirements engineering. This survey ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, WinWin system, deficiency driven design, dependency analysis, distributed interaction, software cost reduction (SCR), system architecture, system specification, system specification language

13 Seeing, hearing, and touching: putting it all together

 Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensink
August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

Publisher: ACM 

Full text available:  Pdf (20.64 MB) Additional Information: [full citation](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 145, Downloads (12 Months): 1730, Citations: 10

14 Communications of the ACM: Volume 51 Issue 6

 June 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (8.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 217, Downloads (12 Months): 2564, Citations: 10

15 Communications of the ACM: Volume 52 Issue 3

 March 2009 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (7.04 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 410, Downloads (12 Months): 2654, Citations: 10

16 Semantic integrity support in SQL:1999 and commercial (object-)relational systems

Can Türker, Michael Gertz

December 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 12, Number 4, Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (345.55 KB) Additional Information: [full citation](#), [abstract](#), [bibTeX](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 259, Citations: 10

The correctness of the data managed by database systems is vital to an organization's success for business, research, and decision-making purposes. To guard database systems against errors, it is important to reflect real-world data or business rules, semantic ...

Keywords: Constraint enforcement, Object-relational databases, SQL:1999, constraints

17 An algebraic approach to static analysis of active database rules

 Elena Baralis, Jennifer Widom

September 2000 **Transactions on Database Systems (TODS)**, Volume 25, Number 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(391.93 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [... review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 118, Citation Count: 1

Rules in active database systems can be very difficult to program due to the unpredictable nature of rule processing. We provide static analysis techniques to determine if a given rule set is guaranteed to terminate and whether ...

Keywords: active database systems, confluence, database rule processing, termination

18 FENECIA: failure endurable nested-transaction based execution of concurrent incorporated state analysis

Neilia Ben Lakhal, Takashi Kobayashi, Haruo Yokota

January 2009 **The VLDB Journal — The International Journal on Very Large Data Bases**

Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf \(2.46 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [... review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 27, Citation Count: 1

Interest in the Web services (WS) composition (WSC) paradigm is increasing in distributed computing history is expected to occur when the dream of Service-Oriented Architecture (SOA) is realized. However, there ...

Keywords: Composition, Dependability, Distributed execution, Failure, Web services

19 Assessing process-centered software engineering environments

 Vincenzo Ambriola, Reidar Conradi, Alfonso Fuggetta

July 1997 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(342.52 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [... review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 236, Citation Count: 1

Process-centered software engineering environments (PSEEs) are the most promising environments supporting software development activities. They exploit the process model that specifies ...

Keywords: CASE, enabling technology, process modeling languages, process engineering environments, software process

20 Practical byzantine fault tolerance and proactive recovery

 Miguel Castro, Barbara Liskov

November 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 | Number 4

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(1.63 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [... review](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 374, Citations (6 Weeks): 0, Citations (12 Months): 0

Our growing reliance on online services accessible on the Internet demands that provide correct service without interruptions. Software bugs, operational errors and attacks are a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

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